

Abstract

The invention relates to an exhaust gas turbocharger (1) having a housing and having a shaft (2) which is arranged so as to be capable of rotating about its longitudinal axis in the housing and on which a turbine wheel (4) and a compressor wheel (3) are seated and which is guided in radial bearings (5, 6) and in at least one axial bearing (9), the radial bearings (5, 6) being embodied as passive, permanent-magnetic bearings which each have a bearing plate (12, 16) which is seated on the shaft (2) as a rotor, and at least one stator (19, 20, 21, 22) which is disposed axially opposite to said rotor. In order to achieve a radial oscillation damping of the shaft (2) in a simple manner, it is proposed according to the invention that a resilient element (60, 61) is disposed between the stator (19, 20, 21, 22) and a part (37, 38) which is fixed to the housing.